

installation guide



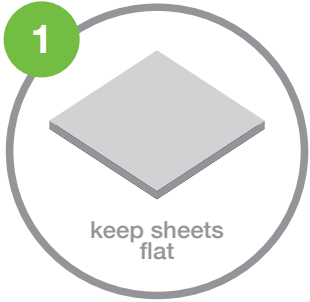
PN

Sound Absorption Board

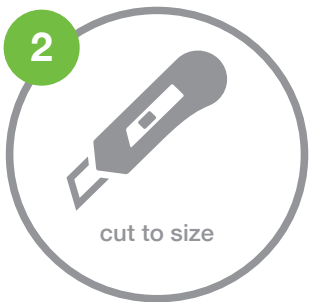
megasorber®

PN

These recommendations are for general guidance only. Installation methods must be tested under actual service conditions to determine their suitability for a particular purpose.



Keep acoustic panels flat. Panels must be kept flat during the handling and installation process. Bending or folding sheets may create creases on the Soundmesh® G8 facing. Once formed, these creases are difficult to remove.



Cutting (if required). The panel can be hand-cut by a knife (sharp utility knife and/or serrated knife) or machine-cut by a bench saw or rotating blade cutter with a fine-tooth blade.

Note: It is recommended to wear gloves during cutting. The Soundmesh G8 facing edges may irritate or cut the skin.



Install battens. Megasorber PN is best installed with an air-gap behind panels. For superior acoustic performance - NRC 0.8 - a 90mm airgap is recommended.

90mm x 45mm battens should be fixed at 400mm centre-to-centre spacing, to allow for installation of PN panels with a 90mm airgap for best acoustic performance.



Install the panels directly to battens using Megasorber A200 adhesive, with edges butt-joined. Install a trim plate over joins if required.

Clean dirt and marks on the Soundmesh G8 facing with Megasorber M8 Clean block and water. Dry with a microfiber cloth. Remove excess adhesive on hands, cloth or equipment with Megasorber AC5.

Installation with an air-gap (recommended)

Install the timber battens directly to the substrate - 45mm x 90mm battens, spaced at 400mm centres. This will allow for the panels to be fixed directly to the battens, providing the required airgap.

Note:

The depth of the airgap will impact the acoustic performance of the panel - refer to product TDS for further information on the impact of airgap on PN performance.

When installed with an airgap, the product has the same acoustic performance whether the Soundmesh G8 is installed facing up or down.

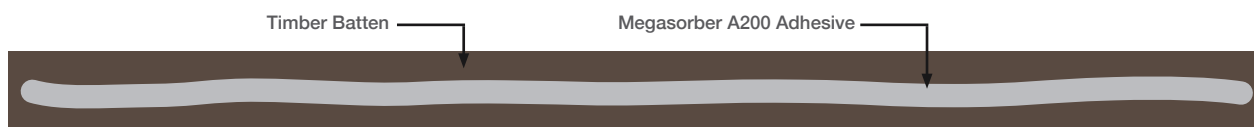
Fix PN panels to battens using Megasorber A200 adhesive.

Available in 600ml sausage for caulking gun and 290ml cartridges for cartridge gun.

1. **Apply adhesive** on the battens, or if preferred, to the back of the acoustic panel (NOT on the Soundmesh G8 facing).
2. **Install the panel immediately** after application of the adhesive.
3. **Mechanical fixing** may also be used if preferred. Screws should be applied at 300mm spacings in place of adhesive.

Adhesive Application Pattern

It is easiest to apply the adhesive directly to the battens, rather than needing to measure the adhesive lines on panels to line up with your batten spacing. A 15mm bead down the centre of each batten is recommended as shown in the below diagram (plan view)



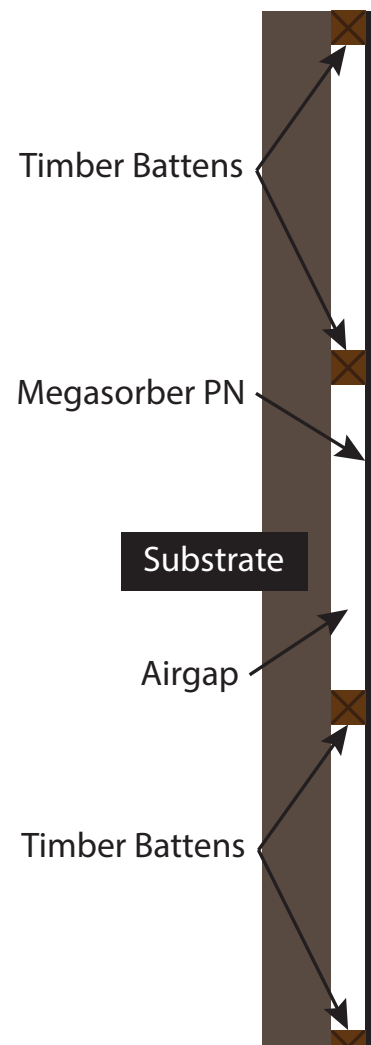
Direct Fix Installation

Where the panels can not be installed with an air-gap, a direct-fix installation may be suitable depending on acoustic requirements.

Follow Megasorber A200 installation guide for more detail on direct-fix installations.

**A200 full
installation
guide must be
followed.
Click here**

**Minimum bead size (glue width)
10mm to 15mm diameter.
Recommended usage:
approx. 1.5-2 sausages or 2-3
cartridges per full size panel**



Acoustic backing for timber battens



Mechanical fixing

1. Place the Megasorber PN board onto the back of the timber battens or slats.
2. Staple the acoustic panels onto the timber battens with a staple gun. Alternatively, secure the PN5 or PN8 panels with screws.



Adhesive fixing

1. Apply Megasorber A200 adhesive onto the timber battens.
2. Place the PN5 or PN8 panels on top of the glue and press firmly against the timber battens.



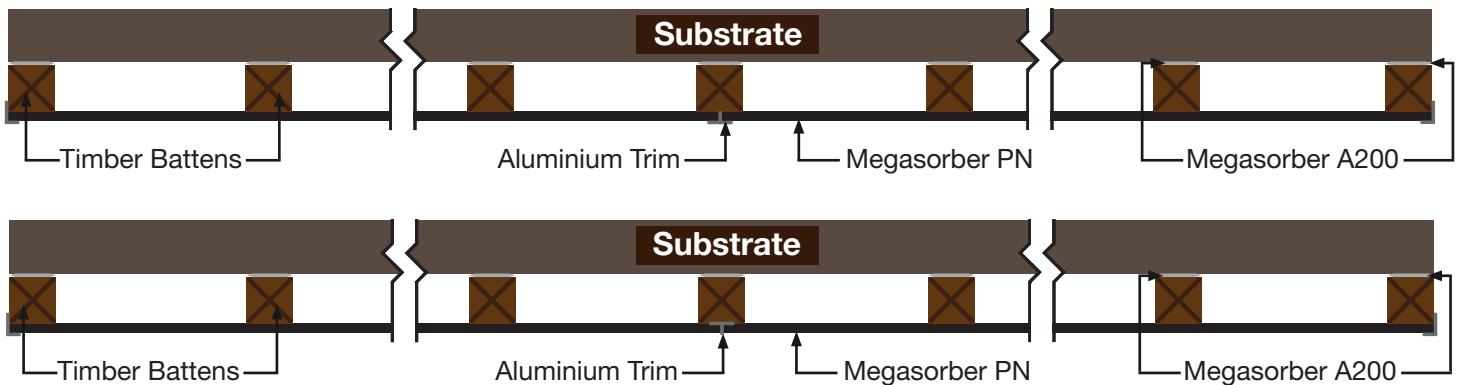
Finish

Express Finish.

Butt-join panels to minimise the appearance of joins.

Trim Finish.

Cover joins with aluminium trim as shown in the below schematics.



Please call our team on
03 9077 2918 for other finishing
options, and any customised
installs that your project requires.